Project Title	Career Guidance
Technologies	HTML, CSS, JS and Firebase
Domain	Education
Project Difficulties level	Medium

Problem Statement:

Students and parents can use the web app to find out everything they need to know about institutions, including tuition and housing prices, eligibility requirements, campus placement options, housing facilities, scholarship schemes, campus support services, rules and regulations, and more. It assists students in choosing engineering and management universities in India and overseas based on aspects such as qualifying exam details, technical expertise, and other information. The tool generates a college list based on the results of the entrance exam, as well as the institutions' and courses' eligibility criteria. The college list is narrowed down by factors such as school ranking, fee constraints, and the region selected. Career Guidance App on the Go The registration process for a chosen institution entails a thorough examination of the student's qualifications as well as an aptitude test (AT). The Aptitude Exam is a test that assesses your ability to do certain.

The Aptitude Test consists of a verbal component, a quantitative section, and a general knowledge section with multiple-choice questions (MCQs). The application

will assist students in finding the best college and course in their field of interest, whether in India or abroad.

Modules

1. Student Login Page
2. Sign Up Page
3. College Sign Up Page
4. Career Selection Page
5. Location Selection Page
6. College List Pages
7. College Selection Page
8. College Registration Page
9. Student Details Pages
10. Aptitude Test Page
11. Test Completion Page

Module Information

Admin login: The system will be controlled solely by an admin who will supply inputs. Admin will make changes to the system, such as adding or removing colleges.

Student login: By creating an account, any student can access the system. The user must submit the necessary information that a college requires.

College list and selection: Each student can access a list of colleges and their details after logging into the system. Students can choose from a variety of colleges based on their preferences.

Evaluating eligibility criteria and taking an aptitude test: This module follows normal operating procedures in checking references and determining eligibility based on CGPA and other academic records (SOPs). It has a multiple-choice question.

A page for choosing a location: INDIA and ABROAD are the two buttons on the Location Selection Page.

The College Registration Page displays the processes to be followed for the selected college (including full student information and information on the Aptitude Test (AT)).

Page 15: After the test has been completed successfully, the test score is generated.

Project Evaluation metrics:

Code:

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards

Database:

- You are supposed to use FireBase.

Logging:

- Logging is a must for every action performed by your code, use the JavaScript or python logging library for this.

Deployment:

- You can host your model in the cloud platform, edge devices, or maybe local, but with a proper justification of your system design.

Solutions Design:

- You have to submit complete solution design strategies in LLD document

System Architecture:

- You have to submit a system architecture design in your wireframe document and architecture document.

Optimization of solutions:

- Try to optimize your solution on code level, architecture level, and mention all of these things in your final submission.
- Mention your test cases for your project.

Submission requirements:

Project code:

You have to submit your code to the GitHub repo and you have to share the repo link at final submission of your project.

Detail project report:

You have to create a detailed project report and submit that document as per the given sample.